
Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)

217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=3; day=26; hr=20; min=1; sec=13; ms=756;]

Validated By CRFValidator v 1.0.3

Application No: 10556669 Version No: 1.1

Input Set:

Output Set:

Started: 2008-03-26 19:59:32.731 **Finished:** 2008-03-26 19:59:33.394

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 663 ms

Total Warnings: 4

Total Errors: 0

No. of SeqIDs Defined: 10

Actual SeqID Count: 10

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Trp	Thr	Lys	Glu	Glu	Asp	Gln	Arg	Leu	Ile	Asp	Tyr	Ile	Arg	Asn	His
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Glv	Glu	Gly	Ser	Trp	Arq	Ser	Leu	Pro	Lys	Ser	Val	Gly	Leu	Leu	Arq
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Cvs	Glv	Lys	Ser	Cvs	Ara	Leu	Ara	Trp	Ile	Asn	Tvr	Leu	Ara	Pro	Asp
7	50			2		55					60				
T 011	Tira	Arg	C1,,	7 an	Dho	Thr	7 an	C1,,	Clu	Clu	Cln	т1.	т1.	77-1	Tva
ьец 65	цур	Arg	GIY	ASII	70	TIII	Asp	GIY	GIU	75	GIII	TIE	TTE	vai	80 80
-					, 5					,)					
Leu	His	Ser	Leu		Gly	Asn	Lys	Trp		Leu	Ile	Ala	Gly	_	Leu
				85					90					95	

Pro Gly Arg Thr Asp Asn Glu Ile Lys Asn Tyr Trp Asn Thr His Ile
100 105 110

Lys Arg Lys Leu Leu Asn Arg Gly Ile Asp Pro Lys Thr His Gly Ser 115 Ile Ile Glu Pro Lys Thr Thr Ser Phe His Pro Arg Asn Glu Asp Leu 130 135 140 Lys Ser Thr Phe Pro Gly Ser Val Lys Leu Lys Met Glu Thr Ser Cys 145 155 150 Asn Cys Ala Ser Thr Ser Gly Thr Thr Thr Asp Glu Asp Leu Arg Leu 170 Ser Val Asp Cys Asp Tyr Arg Tyr Asp His Leu Asp Lys Glu Leu Asn 180 185 Leu Asp Leu Thr Leu Gly Tyr Ser Pro Thr Arg Phe Val Gly Val Gly 195 200 Ser Cys Tyr 210 <210> 2 <211> 639 <212> DNA <213> Arabidopsis thaliana <400> 2 atgggaagat caccatgttg tgaaaaggct cacatgaaca aaggagcatg gactaaagaa gaagatcaac gtcttattga ttatatacgt aatcatggtg aaggctcttg gcgttctctt 120 180 cttcgtcctg atcttaaacg tggaaatttc actgatggtg aagagcaaat cattgtcaaa 240 cttcatagtt tatttggcaa caaatggtct ttgattgctg ggaaattacc gggaagaacc 300

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   35 40 45
Cys Gly Lys Ser Cys Arg Leu Arg Trp Ile Asn Tyr Leu Arg Pro Asp
             55
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Leu Lys Arg Gly Asn Phe Thr Asp Asp Glu Asp Gln Ile Ile Ile Lys
65 70 75 80
Leu His Ser Leu Leu Gly Asn Lys Trp Ser Leu Ile Ala Gly Arg Leu
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Pro Gly Arg Thr Asp Asn Glu Ile Lys Asn Tyr Trp Asn Thr His Ile
      100 105 110
Lys Arg Lys Leu Leu Ser His Gly Ile Asp Pro Gln Thr His Arg Gln
  115 120 125
Ile Asn Glu Ser Lys Thr Val Ser Ser Gln Val Val Pro Ile Gln
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                            140
  130
Asn Asp Ala Val Glu Tyr Ser Phe Ser Asn Leu Ala Val Lys Pro Lys
145 150 155 160
Thr Glu Asn Ser Ser Asp Asn Gly Ala Ser Thr Ser Gly Thr Thr Thr
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Asp Glu Asp Leu Arg Gln Asn Gly Glu Cys Tyr Tyr Ser Asp Asn Ser
   180 185 190
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Cys Gly Lys Ser Cys Arg Leu Arg Trp Ile Asn Tyr Leu Arg Pro Asp
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Leu His Ser Leu Leu Gly Asn Lys Trp Ser Leu Ile Ala Gly Arg Leu 85 90 95

Pro Gly Arg Thr Asp Asn Glu Ile Lys Asn Tyr Trp Asn Thr His Ile 100 105 110

Lys Arg Lys Leu Ile Ser Arg Gly Ile Asp Pro Gln Thr His Arg Pro 115 120 125

Leu Asn Gln Thr Ala Asn Thr Asn Thr Val Thr Ala Pro Thr Glu Leu 130 135 140

 Asn Pro Ser Leu Asp Phe Asn Tyr Asn Glu Phe Gln Phe Lys Ser Asn 165 170 175 Thr Asp Ser Leu Glu Glu Pro Asn Cys Thr Thr Ser Ser Gly Met Thr 180 185 190 Thr Asp Glu Glu Gln Glu Gln Leu His Lys Gln Gln Gln Tyr Asp 195 200 205 Pro Ser Asn Gly Gln Asp Leu Asn Leu Glu Leu Ser Ile Gly Ile Val 210 215 Ser Ala Asp Ser Ser Arg Val Ser Ser Ala Asn Ser Ala Glu Ser Lys 225 230 235 240 Pro Lys Val Asp Asn Asn Phe Gln Phe Leu Glu Gln Ala Met Val 245 250 255 Ala Lys Ala Val Cys Leu Cys Trp Gln Leu Gly Phe Gly Thr Ser Glu 265 260 270 Ile Cys Arg Asn Cys Gln Asn Ser Asn Ser Asn Gly Phe Tyr Ser Tyr 275 280 285 Cys Arg Pro Leu Asp Ser 290 <210> 5 <211> 239 <212> PRT <213> Oryza sativa <400> 5 Met Gly Arg Ser Pro Cys Cys Glu Lys Ala His Thr Asn Lys Gly Ala 1 5 10 15 Trp Thr Lys Glu Glu Asp Gln Arg Leu Ile Ala Tyr Ile Arg Ala His 20 25 30 Gly Glu Gly Cys Trp Arg Ser Leu Pro Lys Ala Ala Gly Leu Leu Arg 35 40 45

Cys Gly Lys Ser Cys Arg Leu Arg Trp Met Asn Tyr Leu Arg Pro Asp

50 55 60

Leu Lys Arg Gly Asn Phe Thr Asp Asp Glu Asp Glu Leu Ile Ile Arg 65 70 75 80

Leu His Ser Leu Leu Gly Asn Lys Trp Ser Leu Ile Ala Gly Gln Leu 85 90 95

Pro Gly Arg Thr Asp Asn Glu Ile Lys Asn Tyr Trp Asn Thr His Ile 100 105 110

Lys Arg Lys Leu Leu Ala Arg Gly Ile Asp Pro Gln Thr His Arg Pro 115 120 125

Leu Leu Ser Gly Gly Asp Gly Ile Ala Ala Ser Asn Lys Arg His His 130 135 140

Arg Arg Arg Ile Pro Tyr Pro Ser Arg Arg Arg Arg Arg Pro Arg Arg 145 150 155 160

Ser Ser Pro Cys Glu Ala Ala Ala Ala Ala Pro Gly Arg Leu Leu 165 170 175

Gly Arg Arg Leu Pro Gln Gln Gln Arg His Asn Glu His Gly Gly Ala \$180\$

Ala Val Pro Arg Pro Gln Pro Arg Ala Leu Gly Arg Ala Asp Ala Glu 195 200 205

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Cys Gly 50	y Lys	Ser	Суз	Arg	Leu 55	Arg	Trp	Ile	Asn	Tyr 60	Leu	Arg	Pro	Asp
Leu Lys	s Arg	Gly	Asn	Phe 70	Thr	Glu	Glu	Glu	Asp 75	Glu	Leu	Ile	Ile	Lys 80
Leu His	s Ser	Leu	Leu 85	Gly	Asn	Lys	Trp	Ser 90	Leu	Ile	Ala	Gly	Arg 95	Leu
Pro Gly	/ Arg	Thr 100	Asp	Asn	Glu	Ile	Lys 105	Asn	Tyr	Trp	Asn	Thr 110	His	Ile
Arg Arg	j Lys 115	Leu	Leu	Ser	Arg	Gly 120	Ile	Asp	Pro	Thr	Thr 125	His	Arg	Ser
Ile Asr		Pro	Thr	Thr	Ile 135	Pro	Lys	Val	Thr	Thr 140	Ile	Thr	Phe	Ala
Ala Ala 145	a His	Glu	Asn	Ile 150	Lys	Asp	Ile	Asp	Gln 155	Gln	Asp	Glu	Met	Ile 160
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Glu Ile	e Ile	Gln 180	Glu	Lys	Ser	Ser	Ser 185	Cys	Leu	Pro	Asp	Leu 190	Asn	Leu
Glu Let	ı Arg 195	Ile	Ser	Pro	Pro	His 200	His	Gln	Gln	Leu	Asp 205	His	His	Arg
His His		Arg	Ser	Ser	Ser 215	Leu	Cys	Phe	Thr	Cys 220	Ser	Leu	Gly	Ile
Gln Asr 225	n Ser	Lys	Asp	Cys 230	Ser	Суз	Gly	Ser	Glu 235	Ser	Asn	Gly	Asn	Gly 240

Trp Ser Asn Asn Met Val Ser Met Asn Ile Met Ala Gly Tyr Asp Phe
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